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L2: Entry 1 of 4

File: USPT

Feb 24, 2004

DOCUMENT-IDENTIFIER: US 6696049 B2

TITLE: Cosmetic compositions

Brief Summary Text (31):

Examples of the production of the organopolysiloxane elastomer powder are as follows: an organopolysiloxane composition as described above (additional-curable, condensation-curable, or peroxide-curable) is mixed with water in the presence of a surfactant (nonionic, anionic, cationic, or amphoteric), and, after mixing to homogeneity in a homomixer, colloid mill, homogenizer, propeller mixer, etc., this is cured by discharge into hot water (temperature at least 50.degree. C.) and is then dried; the organopolysiloxane composition (addition-curable, condensation-curable, or peroxide-curable) is cured by spraying it directly into a heated current; the powder is obtained by curing a radiation-curable organopolysiloxane composition by spraying it under high energy radiation; the organopolysiloxane composition (addition-curable, condensation-curable, peroxide-curable) or high energy-curable organopolysiloxane composition is cured, the latter by high energy radiation, and the product is then pulverized using a known pulverizer such as, for example, a ball mill, atomizer, kneader, roll mill, etc., to thereby form the powder. Suitable organopolysiloxane elastomer powders include vinyl dimethicone/methicone silsesquioxane crosspolymers like Shin-Etsu's KSP-100, KSP-101, KSP-102, KSP-103, KSP-104, KSP-105, hybrid silicone powders that contain a fluoroalkyl group like Shin-Etsu's KSP-200, and hybrid silicone powders that contain a phenyl group such as Shin-Etsu's KSP-300; and Dow Corning's DC 9506.

Current US Original Classification (1):424/63Current US Cross Reference Classification (1):424/401[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

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L2: Entry 1 of 4

File: USPT

Feb 24, 2004

US-PAT-NO: 6696049

DOCUMENT-IDENTIFIER: US 6696049 B2

TITLE: Cosmetic compositions

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vatter; Michael Lee	Okeana	OH		
Sunkel; Jorge Max	Cincinnati	OH		

US-CL-CURRENT: 424/63; 424/401

CLAIMS:

What is claimed is:

1. A cosmetic composition comprising: (i) from about 0.1% to about 15% of non-emulsifying crosslinked siloxane elastomer having an average particle size of at least 20 microns and a viscosity of above about 20,000 cps at 25.degree. C.; (ii) from about 0.1% to about 15% of emulsifying crosslinked siloxane elastomer; (iii) from about 10 to about 80% of a solvent for the crosslinked siloxane elastomers; (iv) optionally, from 0 to about 50% of skin conditioning agent; and (v) from about 0 to about 95% of water.
2. A cosmetic composition according to claim 1 wherein the skin conditioning agent is selected from the group consisting of humectants, exfoliants, emollients and mixtures thereof.
3. A cosmetic composition according to claim 2 wherein the skin-conditioning agent is a humectant.
4. A cosmetic composition according to claim 3 wherein the humectant is selected from the group consisting of propylene glycol, dipropylene glycol, polypropylene glycol, polyethylene glycol, sorbitol, hydroxypropyl sorbitol, hexylene glycol, glycerin, 1,3-butylene glycol, 1,2,6-hexanetriol, ethoxylated glycerin, propoxylated glycerin and mixtures thereof.
5. A cosmetic composition according to claim 1 that further comprises an emulsifier.
6. A cosmetic composition according to claim 5 wherein the emulsifier is a polyoxyalkylene copolymer.
7. A cosmetic composition according to claim 6 wherein the polyoxyalkylene copolymer is dimethicone copolyol.

8. A cosmetic composition according to claim 1 that further comprises a colorant selected from the group consisting of inorganic pigments, organic pigments, lakes, dyes and toners.

9. A cosmetic composition according to claim 8 wherein the pigment is selected from the group consisting of talc, mica, magnesium carbonate, calcium carbonate, magnesium silicate, aluminum magnesium silicate, silica, titanium dioxide, zinc oxide, red iron oxide, yellow iron oxide, black iron oxide, ultramarine, nylon powder, polyethylene powder, methacrylate powder, polystyrene powder, silk powder, crystalline cellulose, starch, titanated mica, iron oxide titanated mica, bismuth oxychloride, pearl, pearl mica, interference pigments and mixtures thereof.

10. A cosmetic composition according to claim 1 that further comprises a preservative.

11. A cosmetic composition according to claim 10 wherein the preservative is selected from the group consisting of disodium EDTA, phenoxyethanol, methyl paraben, propyl paraben, imidazolidinyl urea, sodium dehydroacetate, para-hydroxybenzoic acid, hydantoin derivatives, propionate salts, quaternary ammonium compounds, benzyl alcohol and mixtures thereof.

12. A cosmetic composition according to claim 1 that further comprises fillers.

13. A cosmetic composition according to claim 1 in the form of a foundation, mascara, concealer, eyeliner, brow color, eye shadow, blusher, lip paint or lipstick.

14. A cosmetic composition according to claim 1 wherein said composition further comprises an active selected from the group consisting of a sunscreen active, a film forming agent, a shine control agent, and combinations thereof.

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File: USPT

Feb 24, 2004

US-PAT-NO: 6696049

DOCUMENT-IDENTIFIER: US 6696049 B2

TITLE: Cosmetic compositions

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vatter; Michael Lee	Okeana	OH		
Sunkel; Jorge Max	Cincinnati	OH		

US-CL-CURRENT: 424/63; 424/401

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NUMC	Draw D
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☐ 2. Document ID: US 6524598 B2

L2: Entry 2 of 4

File: USPT

Feb 25, 2003

US-PAT-NO: 6524598

DOCUMENT-IDENTIFIER: US 6524598 B2

TITLE: Cosmetic compositions

DATE-ISSUED: February 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sunkel; Jorge Max	Cincinnati	OH		
Vatter; Michael Lee	Okeana	OH		

US-CL-CURRENT: 424/401; 514/63, 514/844

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NUMC	Draw D
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☐ 3. Document ID: US 6475500 B2

L2: Entry 3 of 4

File: USPT

Nov 5, 2002

US-PAT-NO: 6475500

DOCUMENT-IDENTIFIER: US 6475500 B2

**** See image for Certificate of Correction ****

TITLE: Anhydrous cosmetic compositions

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vatter; Michael Lee	Okeana	OH		
Sunkel; Jorge Max	Cincinnati	OH		
Motley; Curtis Bobby	West Chester	OH		

US-CL-CURRENT: 424/401; 424/400, 424/484, 424/486, 424/489, 424/502, 424/63,
424/64, 424/65, 514/63, 514/772.1, 514/844 , 514/944, 514/951

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	K00C	Draw. De
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☐ 4. Document ID: US 6358501 B1

L2: Entry 4 of 4

File: USPT

Mar 19, 2002

US-PAT-NO: 6358501

DOCUMENT-IDENTIFIER: US 6358501 B1

TITLE: Polypeptide-polysiloxane copolymers

DATE-ISSUED: March 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dietz; Thomas	Essen			DE
Lersch; Peter	Oberhausen			DE
Weitemeyer; Christian	Essen			DE

US-CL-CURRENT: 424/70.12; 424/78.1, 424/78.37, 528/26, 528/28

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	K00C	Draw. De
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Terms

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L1 and 424/\$.ccls.

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File: USPT

Feb 24, 2004

US-PAT-NO: 6696049

DOCUMENT-IDENTIFIER: US 6696049 B2

TITLE: Cosmetic compositions

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vatter; Michael Lee	Okeana	OH		
Sunkel; Jorge Max	Cincinnati	OH		

US-CL-CURRENT: 424/63; 424/401

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw D
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☐ 2. Document ID: US 6524598 B2

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File: USPT

Feb 25, 2003

US-PAT-NO: 6524598

DOCUMENT-IDENTIFIER: US 6524598 B2

TITLE: Cosmetic compositions

DATE-ISSUED: February 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sunkel; Jorge Max	Cincinnati	OH		
Vatter; Michael Lee	Okeana	OH		

US-CL-CURRENT: 424/401; 514/63, 514/844

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw D
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☐ 3. Document ID: US 6475500 B2

L3: Entry 3 of 3

File: USPT

Nov 5, 2002

US-PAT-NO: 6475500

DOCUMENT-IDENTIFIER: US 6475500 B2

**** See image for Certificate of Correction ****

TITLE: Anhydrous cosmetic compositions

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vatter; Michael Lee	Okeana	OH		
Sunkel; Jorge Max	Cincinnati	OH		
Motley; Curtis Bobby	West Chester	OH		

US-CL-CURRENT: 424/401; 424/400, 424/484, 424/486, 424/489, 424/502, 424/63,
424/64, 424/65, 514/63, 514/772.1, 514/844 , 514/944, 514/951

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	QUAC	Draw D
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